## Velosiped (Velo) Exercise QUALIFY



| Data Description |  |
| ---: | :--- |
| Sensor | $121 \mathrm{f02}$ |
|  | $250.0 \mathrm{sa} / \mathrm{sec}(100.00 \mathrm{~Hz})$ |
| Location | LAB1O2, ER1, Drawer 1 |
| Inc/Flight | Increment: 5, Flight: UF2 |
| Plot Type | spectrogram |

## Notes:

The abbreviation velo is short for velosiped, a Russian bicycle exercise device - the abbreviation velo is to velosiped like bike is to bicycle. Two distinct periods that show velo exercise are seen in the figure below about 5 Hz from 11:17 to 13:10 and from $16: 53$ to $18: 33$. For these periods, both the pedal rate signature at about 2.2 Hz and the shoulder sway at half that rate are evident.

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| Location | LAB1O2, ER1, Drawer 1 |
| Inc/Flight | Increment: 5, Flight: UF2 |
| Plot Type | interval RMS |

## Notes:

This figure shows that the RMS acceleration values below 5 Hz during the velo exercise periods (shown in red) are noticeably above baseline for this 8 -hour period. Statistics computed from these data show:

Velo exercise periods' median: $74.1 \mu \mathrm{~g}_{\mathrm{RMS}}$
Non-velo median: $23.8 \mu \mathrm{~g}_{\mathrm{RMS}}$

